

*Bickfords*

505

*arrara*

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STRUCTURAL GLASS

*Paint* · PITTSBURGH · *Glass*  
PLATE GLASS COMPANY



## 8 STANDARD *Carrara* COLORS

White— $\frac{11}{32}$ ,  $\frac{7}{16}$ ,  $\frac{3}{4}$ ,  $\frac{7}{8}$ ,  $1\frac{1}{4}$  In.

Ivory— $\frac{11}{32}$ ,  $\frac{7}{16}$ ,  $\frac{3}{4}$ ,  $\frac{7}{8}$ ,  $1\frac{1}{4}$  In.

Beige— $\frac{11}{32}$  In. Only

Jade— $\frac{11}{32}$ ,  $\frac{7}{16}$ ,  $\frac{3}{4}$ ,  $\frac{7}{8}$ ,  $1\frac{1}{4}$  In.

Forest Green— $\frac{11}{32}$  In. Only

Gray— $\frac{11}{32}$ ,  $\frac{7}{16}$ ,  $\frac{3}{4}$ ,  $\frac{7}{8}$ ,  $1\frac{1}{4}$  In.

Black— $\frac{1}{4}$ ,  $\frac{11}{32}$ ,  $\frac{7}{16}$ ,  $\frac{3}{4}$ ,  $\frac{7}{8}$ ,  $1\frac{1}{4}$  In.

Rembrandt Blue— $\frac{11}{32}$  In. Only

## 2 *Carrara* TRIM COLORS

Orange— $\frac{7}{16}$  In. Only

Wine— $\frac{11}{32}$  In. Only

# WHAT *Carrara* IS . . .

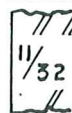
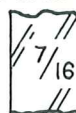

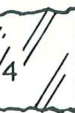

*Carrara* Structural Glass is a material which successfully combines beauty, versatility, sanitation, permanence and reasonable cost. It is a glass which is mechanically ground and polished to a true, flat surface. It brings to the architect soft, rich colors that are genuinely distinctive, and designed to harmonize with almost any color scheme. (See color chips at left.) *Carrara* is strong and durable, made to withstand rigorous use indoors and out. It will not absorb odors of any kind. It is impervious to grease, grime, moisture, chemicals and pencil marks. It can easily be kept clean by an occasional wiping with a damp cloth. It retains its original beauty year after year, never fading or staining. It is easy to install. And it is adaptable to so many different kinds of treatment that it offers the architect unlimited opportunities for design.

**FINISHES** *Carrara* Structural Glass is available in two finishes: (1) Polished . . . which is a brilliant, reflective, plate glass finish. And (2) Suede . . . which is a softer, less reflective finish, mechanically imparted, and which is available in  $\frac{11}{32}$  in. thickness and trim colors only.

**DECORATION** *Carrara* can be beautifully decorated to suit individual tastes. It can be carved or fluted. It can be sand-blasted with any design desired, bringing the pattern out either in shallow or deep relief. These designs may be further enriched by the application of gold, silver or colors.

**LAMINATED *Carrara*** *Carrara* can be laminated by heat and pressure at the factory, assuring a permanent joint, and this laminated *Carrara* is then handled and set like a single slab. The laminated slab forms the finest type of toilet partitions. By lamination, many original effects may be obtained, such as the combination of two different colors, the building up of *Carrara* pilasters with reveals and offsets, etc.

**USES** *Carrara* is especially suitable for use in toilet room walls, stiles and partitions; in bathroom and kitchen walls in residences; for the walls of operating rooms and x-ray rooms in hospitals and clinics; for use as a facia material in store fronts; for scores of decorative purposes in building lobbies, corridors, waiting rooms, restaurants, hotels, bars and stores; for table tops and counter tops; for niche linings, sill covers, lintels, door and window trim, and kindred uses.

				
( $\frac{11}{32}$ In.) 4.5 lb. sq. ft.	( $\frac{7}{16}$ In.) 5.76 lb. sq. ft.	( $\frac{3}{4}$ In.) 9.87 lb. sq. ft.	( $\frac{7}{8}$ In.) 11.51 lb. sq. ft.	( $1\frac{1}{4}$ In.) 16.45 lb. sq. ft.

## THICKNESS RECOMMENDED

Ceiling . . . . .	$\frac{11}{32}$ in.	Partitions . . . . .	$\frac{7}{8}$ in.
Wainscot, Ashlar . . . . .	$\frac{11}{32}$ in.	Door and Window Trim . . . . .	$\frac{7}{8}$ in.
Cap . . . . .	$\frac{7}{16}$ in.	Deal Plates . . . . .	$\frac{7}{8}$ in.
Base . . . . .	$\frac{7}{16}$ in.	Counter Tops . . . . .	$1\frac{1}{4}$ in.
Store Fronts . . . . .	$\frac{11}{32}$ in.	Lintel . . . . .	$1\frac{1}{4}$ in.
Wainscot, Panel . . . . .	$\frac{7}{16}$ in.	Stiles . . . . .	$1\frac{1}{4}$ in.
Bulkheads . . . . .	$\frac{7}{16}$ in.	Shower Seat . . . . .	$1\frac{1}{4}$ in.

**HOW *Carrara* IS INSTALLED** *Carrara* is easy to install. It is handled similarly to marble. To insure installations being made according to our standards, we maintain our own crews of workmen.

*Carrara* may be installed over any hard, firm wall surface, but an allowance should be made for a space of  $\frac{3}{8}$  in. behind the glass for setting.



Carrara is installed by means of a plastic cement, which bonds permanently with the glass and the wall—yet allows for settling, shrinkage and expansion.

We provide all hardware necessary for the erection of our material, and will have the slabs drilled for any hardware or fixtures which we do not supply, such as hinges, strikes, etc., provided we are furnished their location and dimensions, so that the drilling may be done at the factory.

Carrara is also available as Ready-Built Carrara panels for installation in bathtub recesses and as kitchen stove backing. These panels are prefabricated in the factory, and consist of Carrara panels mounted on plasterboard. On certain edges, the plasterboard extends beyond the edge of the Carrara Glass, and thus provides a flange which is nailed directly to studding.

## USED WITH *Pittco* STORE FRONTS

Carrara Structural Glass has been widely used for the construction of modern glass store fronts in connection with Pittco Store Front Metal. The variety of attractive colors, the easy cleaning, the imperviousness and the extreme versatility of the material, combined with the many possibilities for effective decoration, make it ideal for store front use. For information and details of use with Pittco Store Front Metal, see Pittsburgh Plate Glass Company's Pittco Store Front Metal catalog in Sweet's.

## SUGGESTED SPECIFICATIONS

This contractor is to furnish all labor, material and service necessary for properly installing all Structural Glass as indicated on the drawings.

Contractor shall verify all dimensions at building, prepare shop drawings and furnish the architect with three sets of prints for approval. Doors, equipment and all hardware not necessary for erection of Structural Glass will be furnished and installed by other contractors. Other contractors will prepare walls, furnish and set wood grounds—also wood blocks for fixtures.

All Structural Glass shall be Carrara as made by the PITTSBURGH PLATE GLASS COMPANY of size and thickness indicated on drawings. Finish of face of glass to be polished and/or Suede, exposed edges polished.

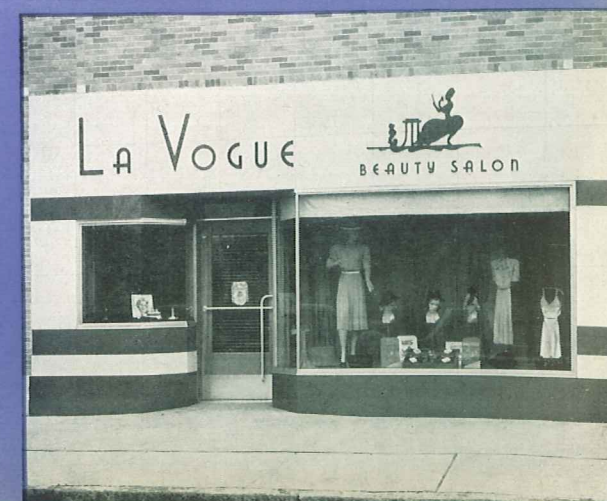
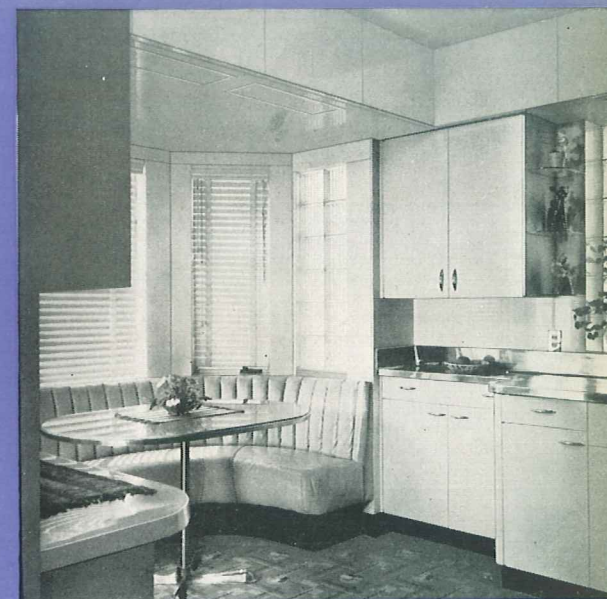
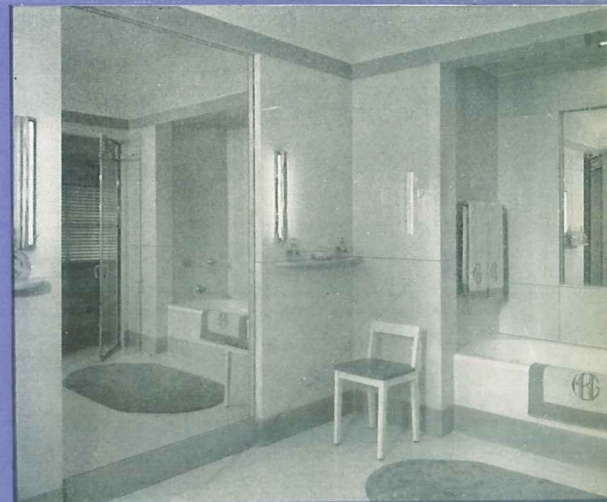
The finish of the face of the glass will be obtained by grinding the surface until a true plane is produced and then mechanically polishing to a high luster or mechanically treating to impart a soft or "Suede" finish. Installation will be made according to the manufacturer's recommendations and to the satisfaction of the architect. This contractor, before setting Structural Glass, shall size the rough wall with an approved type of bond coat.

Mastic cement used, shall be of a type tested and approved by the Structural Glass manufacturer.

All pieces shall be set plumb and true and with even flush joints which shall be filled with an approved type of pointing compound.

This contractor shall do all cutting and drilling of Carrara for other contractors provided they furnish accurate layouts so that it may be done at the factory.

At the completion of his work, this contractor shall remove all rubbish not caused by other trades, clean the Carrara and leave it in satisfactory condition.

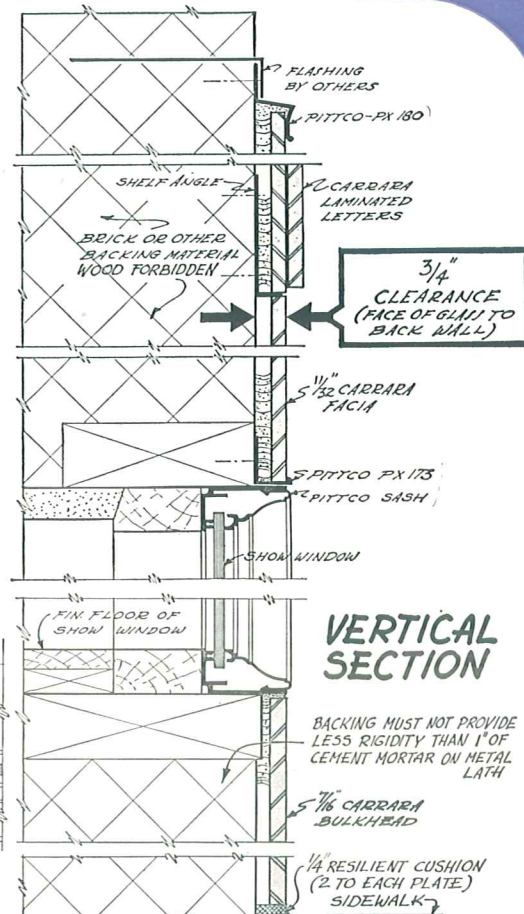
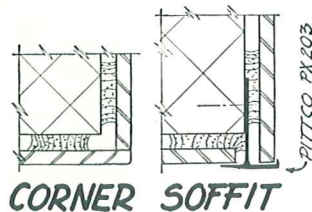
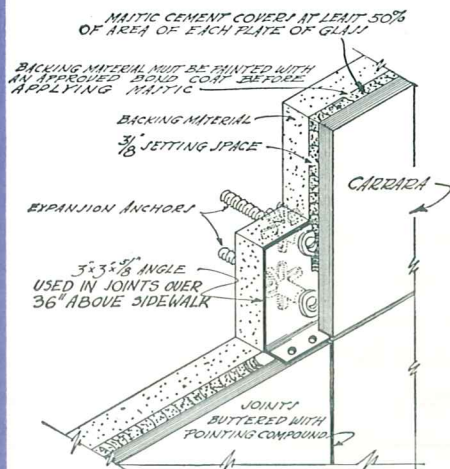




# CARRARA FOR EXTERIORS

free job will result. Structural glass as a veneer material can be applied with mastic cement over almost any firm, true sub-wall. Wood as a backing surface is not recommended.

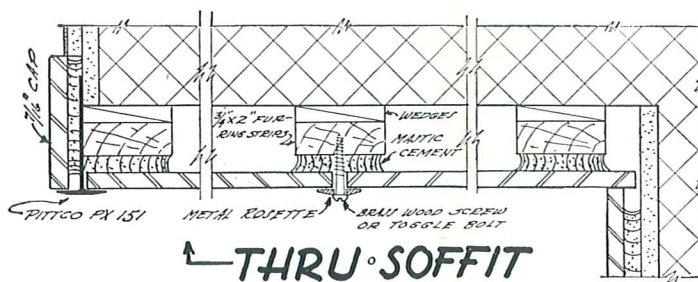
Simplicity of construction and installation is the keynote of structural glass. The typical store front details shown below can be used by the architect in almost all exterior Carrara work with the assurance that a trouble-



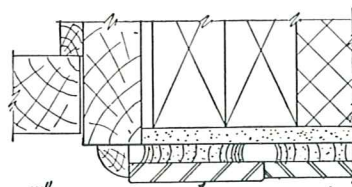
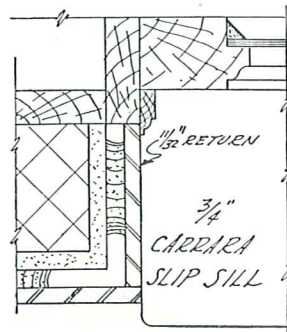
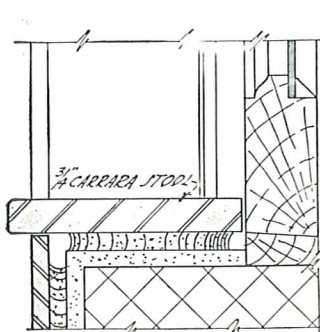
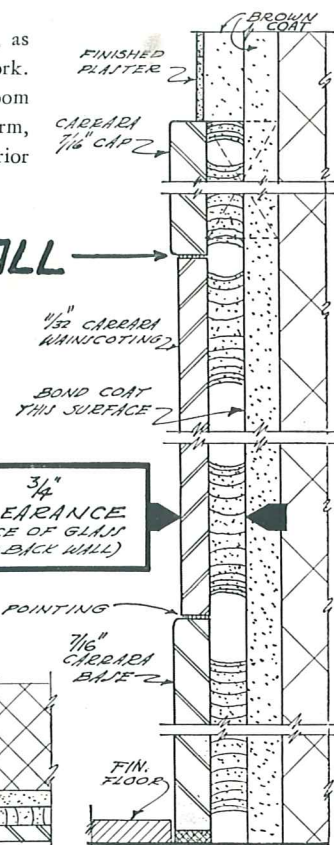
CLIP ANGLE CONSTRUCTION JAMB SECTION

# CARRARA FOR INTERIORS

The typical drawings below indicate useful dimensions, as well as suggestions for detailing interior Carrara Glass work. The drawings shown are not limited to residential bathroom work, but may be used in all interior construction. A firm, true wall is all the sub-construction necessary for interior installations of Carrara.



THRU-WALL



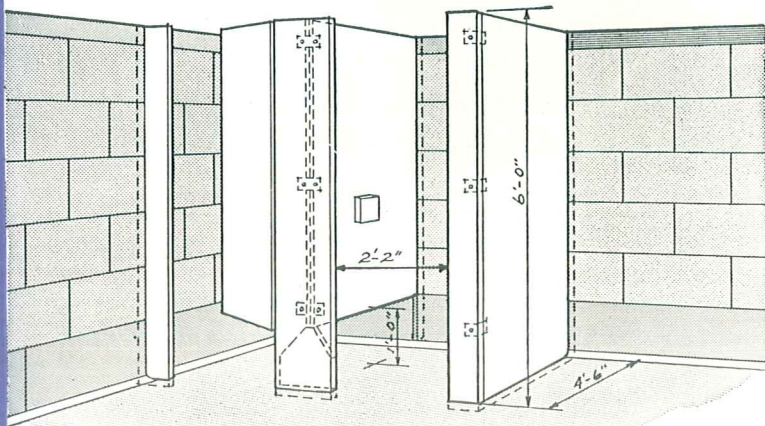
THRU-JAMB

THRU-WINDOW STOOL THRU-WINDOW RETURN

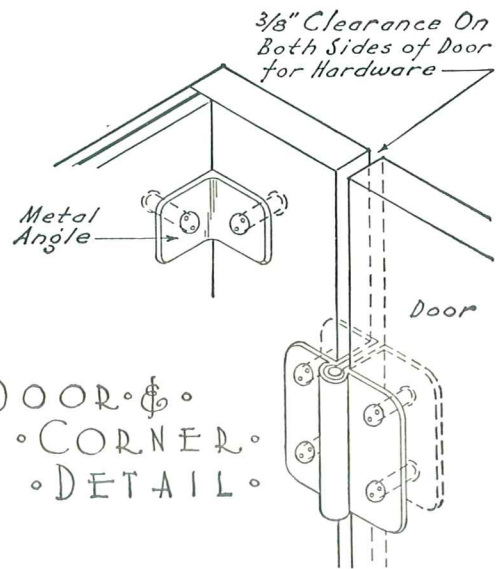


# TOILET ROOM COMPARTMENTS

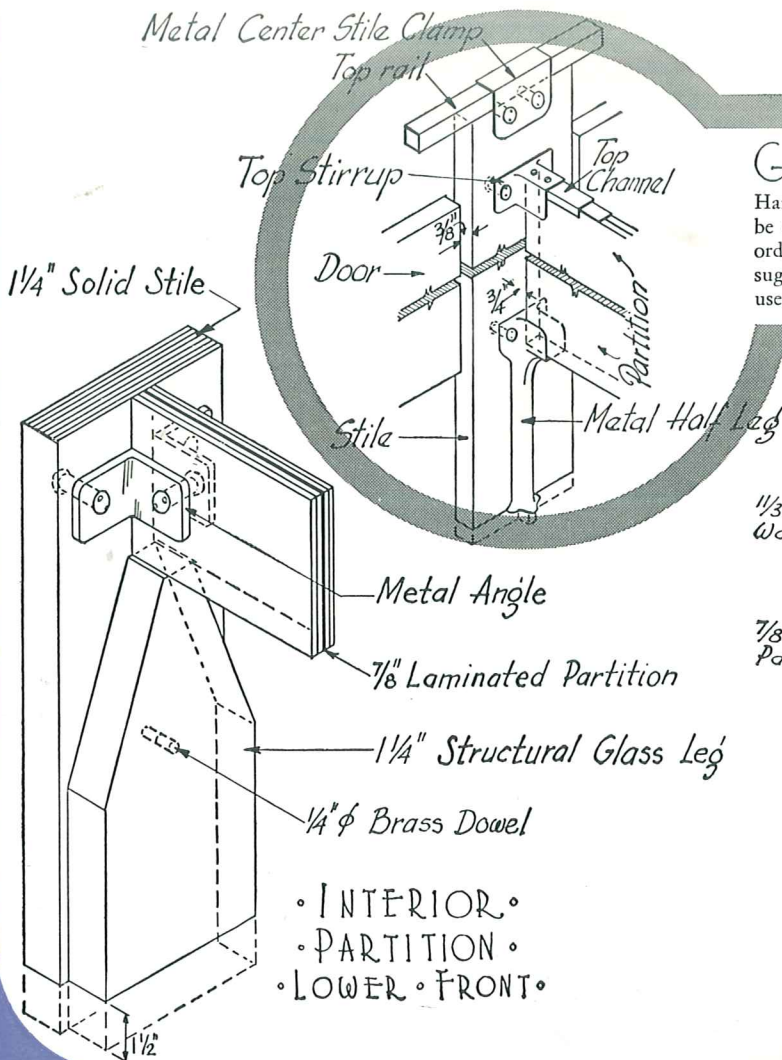
In addition to ashlar patterns, like that sketched here, Carrara in Metropolitan-type toilet rooms may be laid up in large slabs or other construction. Note the modified construction of partitions, using a glass leg instead of a metal half-leg as previously recommended. The glass leg is just as sound structurally, and conserves metal.



• METROPOLITAN • TYPE • (MODIFIED)



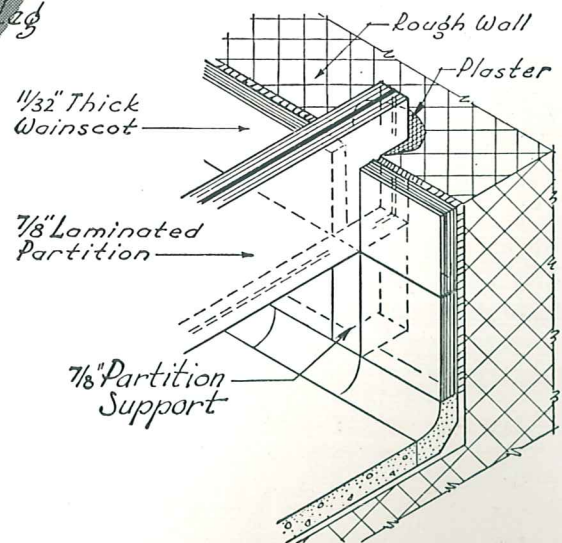
• DOOR •  
• CORNER •  
• DETAIL •



• INTERIOR •  
• PARTITION •  
• LOWER • FRONT •

## GOVERNMENT • TYPE •

Hardware such as that shown in this detail can still be obtained if adequate priority rating accompanies order. In the interests of metal conservation, it is suggested that the modified Metropolitan type be used wherever possible.



• INTERIOR • PARTITION •  
• LOWER • REAR •



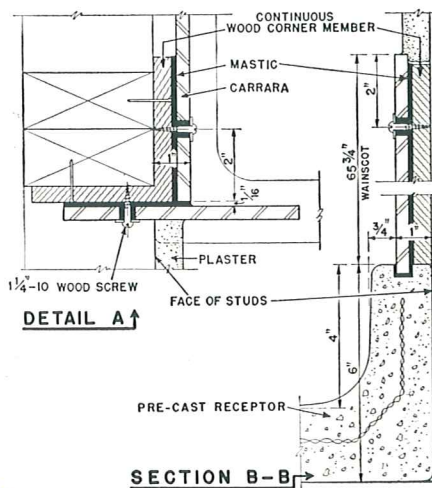
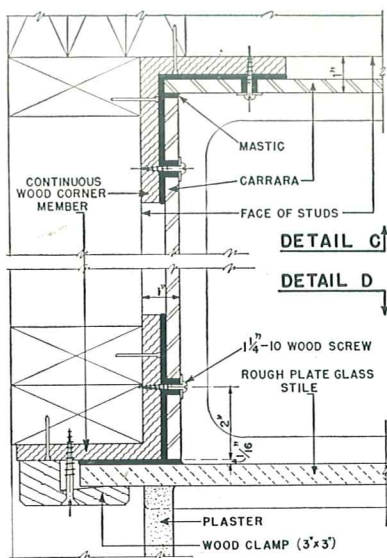
# PREFABRICATED SHOWERS

Prefabricated glass shower enclosures meet the demand for a good, inexpensive glass shower that can be installed quickly and economically. A maximum of five to a minimum of three pieces of glass form the complete unit. Designed in four types to accommodate requirements of present day housing. Each type available in two price ranges. One utilizes tempered or Herculite glass for great strength; the other, regular Carrara Glass and rough plate glass, which are perfectly satisfactory for normal use. Packed as a unit in a single box, including all necessary glass and setting materials, as well as wood curtain rod and china soap and grab. Glass is completely prefabricated, with all holes drilled to specification.

## CORNER SHOWERS

TYPES 1 AND 3

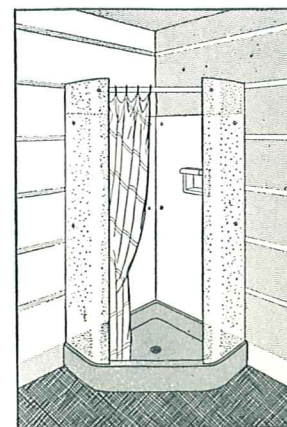
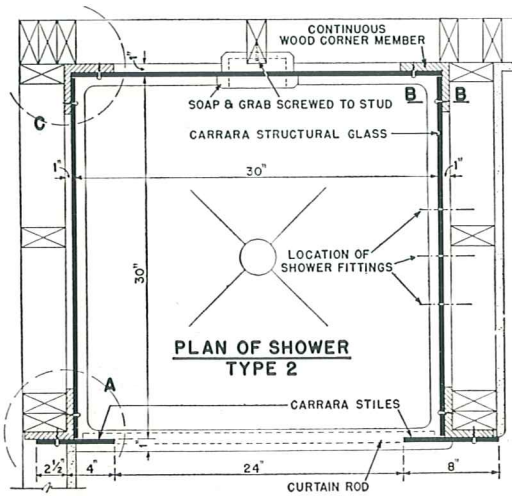
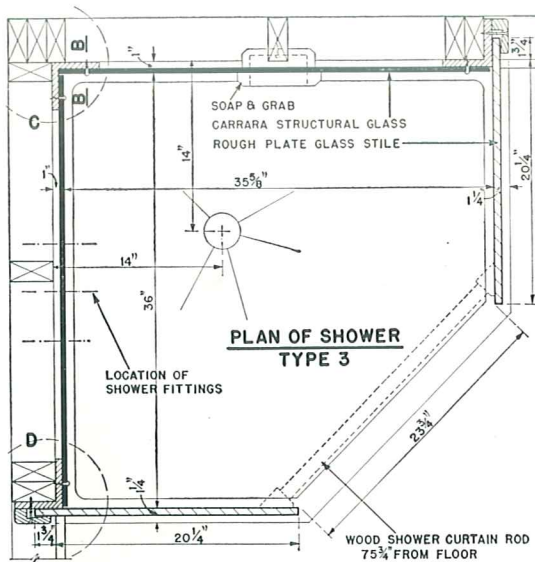
Stiles, for the first time, are of rough plate glass, permitting light to enter even when curtain is drawn. Wainscots can be tempered or regular Carrara. The bent rough plate glass stiles of Type 1 cannot be tempered, but the straight stiles of Type 3 can be either tempered or regular.



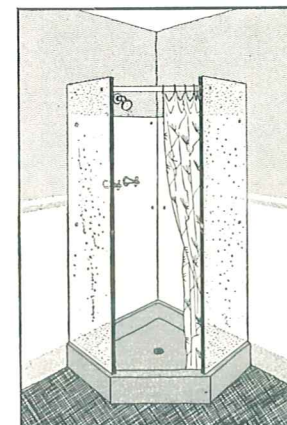
## SQUARE SHOWERS

TYPES 2 AND 4

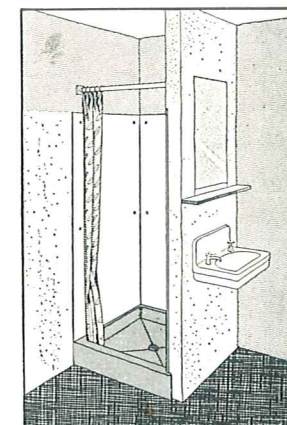
Type 2 may have tempered or regular glass wainscot, but stiles are always tempered. Type 4 eliminates stiles for greater economy, with curtain rod set farther back to keep water from splashing out. When wash basin is set on partition wall, same plumbing pipes can serve shower and lavatory.



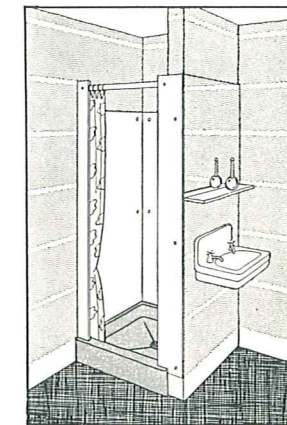
SHOWER · TYPE · 1



SHOWER · TYPE · 3



SHOWER · TYPE · 4

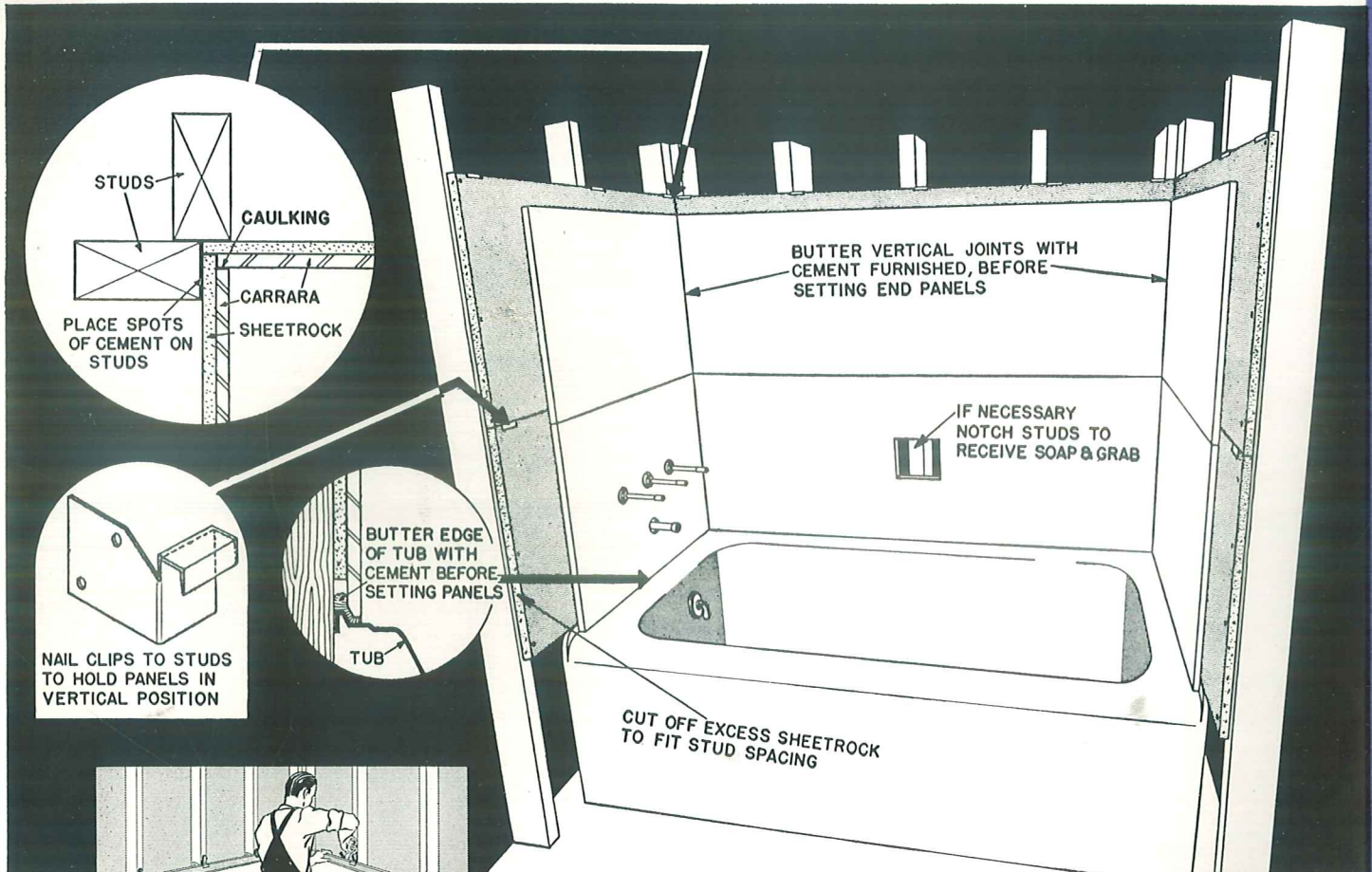


SHOWER · TYPE · 2



# READY-BUILT BATHTUB WAINSCOT...

Prefabricated at the factory, these Carrara wainscots are inexpensive, easily installed, and bring the beauty of Carrara to the low-cost home. They're designed for new construction only. Glass panels are mounted on plasterboard, as shown, and plasterboard is fastened to studding. Shipped to the building job as a complete unit, ready to install.

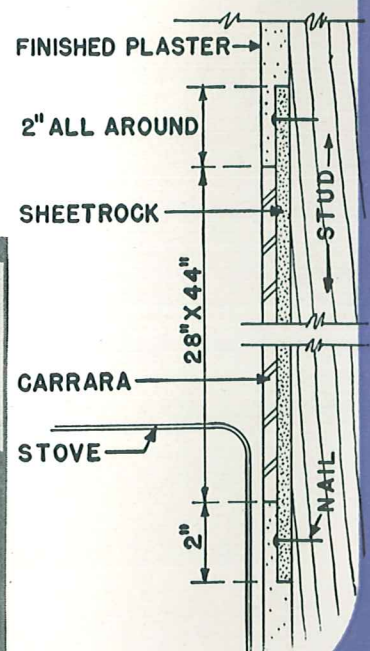


## ← EASY INSTALLATION

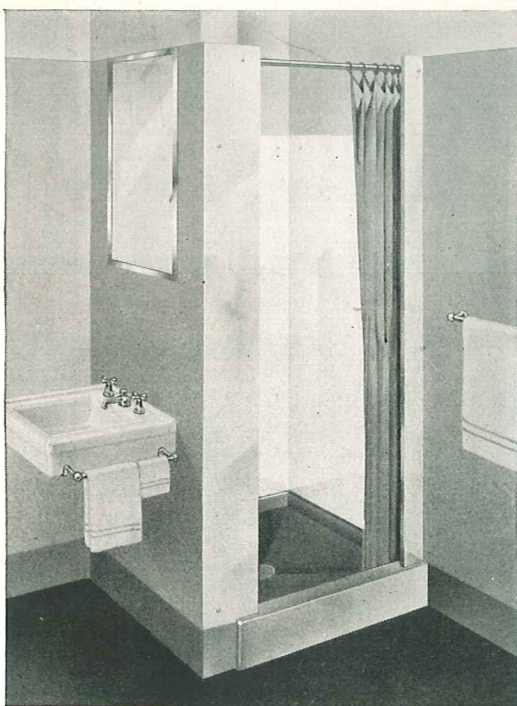
Ready-Built wainscots can be 6", 8", 10", 12", 14", 16", 24" or 48" high. No soap and grab furnished for heights less than 16". After buttering tub rim and studs with mastic, set back panel of glass first. Merely nail through plasterboard flanges and use clips supplied. Apply end panels similarly. Clean glass and point joints . . . and the job is done.

# READY-BUILT STOVE SPLASH

An excellent and inexpensive way to protect area behind stove from grease, grime and heat, and add to appearance of kitchen. Carrara stove splash is easily kept clean by wiping with damp cloth. Mounted on plasterboard, like Carrara Ready-Built Tub wainscots, and finishes flush with face of plaster wall.







## ARCHITECTS WHO HAVE REPEATEDLY SPECIFIED

*Carrara*

### Cass Gilbert

Woolworth Bldg.  
Union Central Life Bldg.  
Detroit Public Library  
Prudential Bldg.  
New York Life Bldg.  
U. S. Chamber of Commerce  
U. S. Court House, New York City  
U. S. Supreme Court  
U. S. Legation Bldg.

### John Russell Pope

Roosevelt Memorial  
U. S. Archives Bldg.

### Holabird & Root

Board of Trade  
Palmer House

### Warren & Wetmore

Ambassador Hotel Annex  
Grand Central Terminal  
New York Central Bldg.  
Commodore Hotel

### York & Sawyer

First National Bank  
Bowery Bank  
Salmon Tower  
Rhode Island Hospital Trust Co.  
New York Academy of Medicine  
Union League Club

### Shreve, Lamb & Harmon

500 Fifth Avenue Bldg.  
Insurance Company of North America

### Thomas W. Lamb

Albee Theatre  
Capitol Theatre

### Albert Kahn, Inc.

Cadillac Administration Bldg.  
Fisher Garage Bldg.  
Nurses' Home and Ford Hospital  
S. S. Kresge Administration Bldg.

### J. E. R. Carpenter

Lincoln Building  
515 Madison Avenue

### McKim, Mead & White

University Club, New York City  
Pennsylvania R. R. Station, Newark

### Graham, Anderson, Probst & White

Pennsylvania R. R. Station, Philadelphia  
Marshall Field Bldg.

### Trowbridge & Livingston

Trowbridge & Livingston, E. P. Mellon  
J. P. Morgan & Co. Bldg.  
Mellon Bank, Pittsburgh

### Sugarman & Berger

Mercantile Bldg.  
The New Yorker

### Cross & Cross

New York Trust Company  
Stone & Webster Bldg.

### Thomas M. James Co.

75 Federal Street, Boston  
Federal Land Bank

### War Department

Hospital  
Hospital

### Felheimer & Wagner

Union Station, Cincinnati  
Erie Passenger Station  
New York Central Station, Buffalo

### W. W. Ahlschlager

State Washington Bldg.  
Roxy Theatre

### John M. Howells and Raymond M. Hood

Tribune Tower

### Howells & Hood and Lockwood, Greene Eng., Inc.

Daily News

### Janssen & Cocken

Mellon Institute of Industrial Research  
Kaufmann's Department Store

*Paint* \* PITTSBURGH \* *Glass*  
PLATE GLASS COMPANY